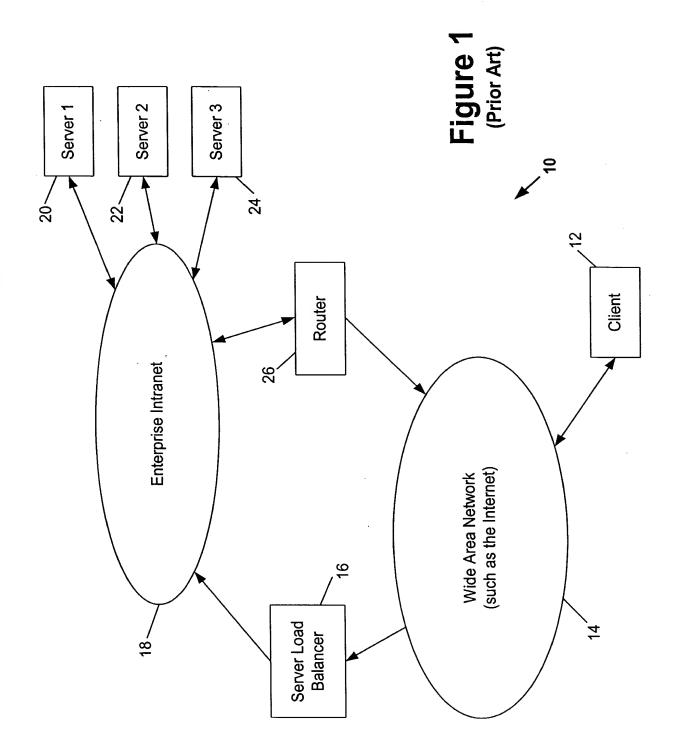
Method Allocation Scheme for Maintaining Server Load Balancers Services in a High Throughput Environment Inventors: O'Rourke, et al.

Attorney's Docket: 062891.0523 Filed: February 8, 2001 Sheet 1 of 7



Method Allocation Scheme for Maintaining Server Load Balancers Services in a High Throughput Environment Inventors: O'Rourke, et al. Attorney's Docket: 062891.0523

Filed: February 8, 2001 Sheet 2 of 7

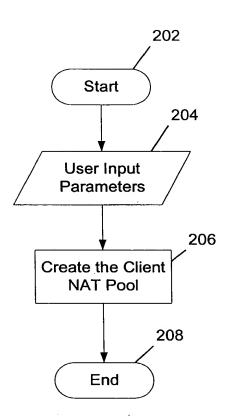
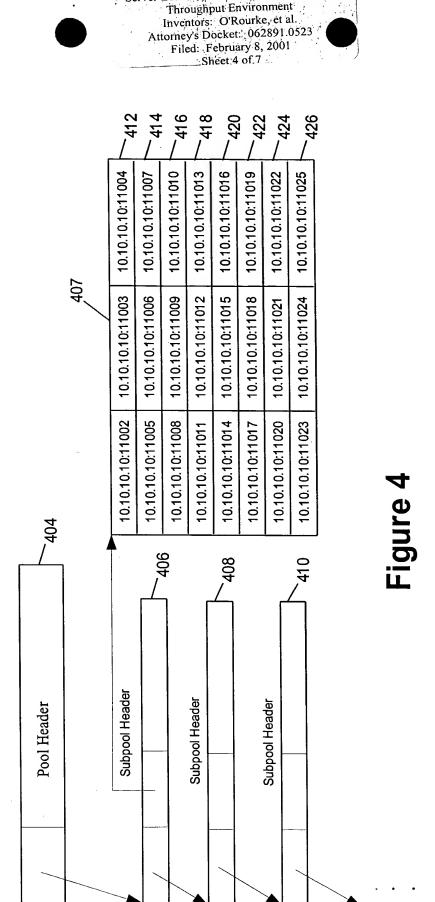


Figure 2

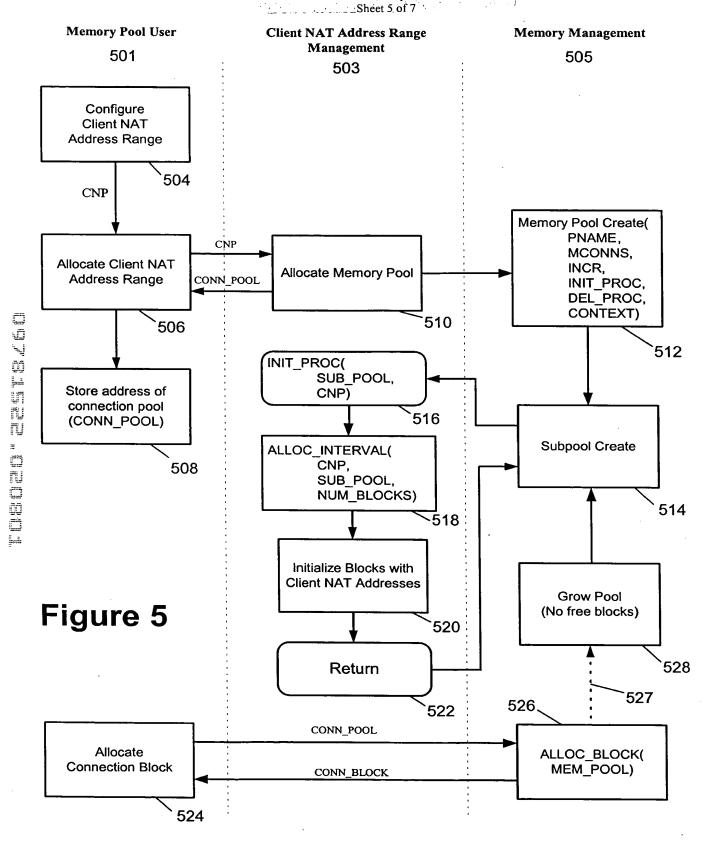
Method Allocation Scheme for Maintaining
Server Load Balancers Services in a High
Throughput Environment
Inventors: O'Rourke, et al.
Attorney's Docket: 062891 0523
Filed: February 8, 2001
Sheet 3 of 7

Source	Input	Input	Input	Input	Input	Input	NULL derived	Derived			
Field Name	Pool Name	First IP Address	Last IP Address	Net Mask	Initial Num. Connection Blocks	Max Num. Connection Blocks	Memory Pool Address	Interval List Address			
Field Symbol	PNAME	FIPA	LIPA	NETMASK	ICONNS	MCONNS	MPA	ILA		302	
CNP	304	304 306 308 310 312 314 316 318									

Figure 3



Method Allocation Scheme for Maintaining Server Load Balancers Services in a High



Method Allocation Scheme for Maintaining Server Load Balancers Services in a High Throughput Environment Inventors: O'Rourke, et al. Attorney's Docket: 062891.0523 Filed: February 8, 2001

Sheet 6 of 7

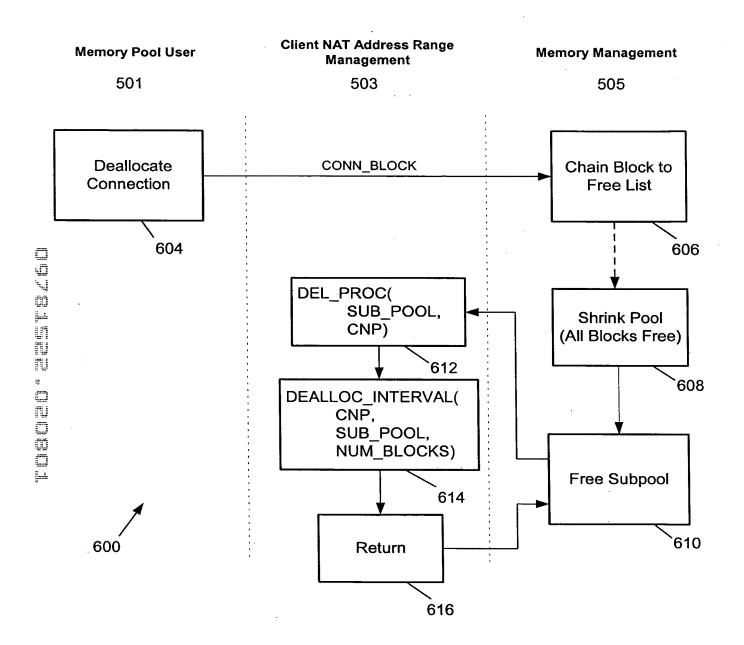


Figure 6

Throughput Environment Inventors: O'Rourke, et al. Attorney's Docket: 062891.0523 Filed: February 8, 2001 Sheet 7 of 7 Count of the Addresse in Number of Client NAT the Interval Port Number Client NAT Address in the Interval of the Last 732 IP Address of the Last Client NAT Address in the Interval 730 Port Number of the First Client NAT Address in the Interval 728 726 IP Address of the First Client NAT Address in the Interval 724 (if allocated) Pointer to Allocated Subpool-for this Interval 722 Pointer to Element Previous Interval 720 Next Interval Element Pointer to

718 ~

718~

Method Allocation Scheme for Maintaining Server Load Balancers Services in a High

Figure 7